

POAP Sensor Pixel Cell Array

100

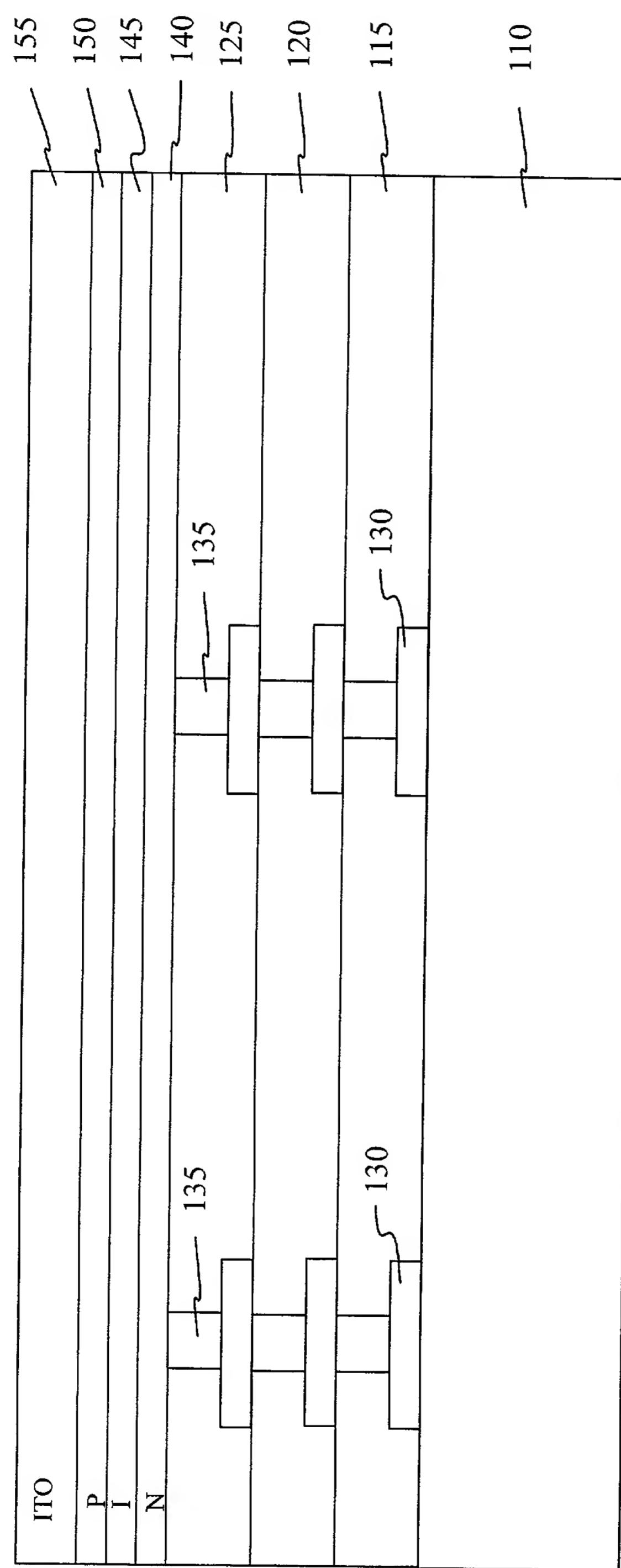


FIG. 1

Pixel Cell Array And Related Circuitry

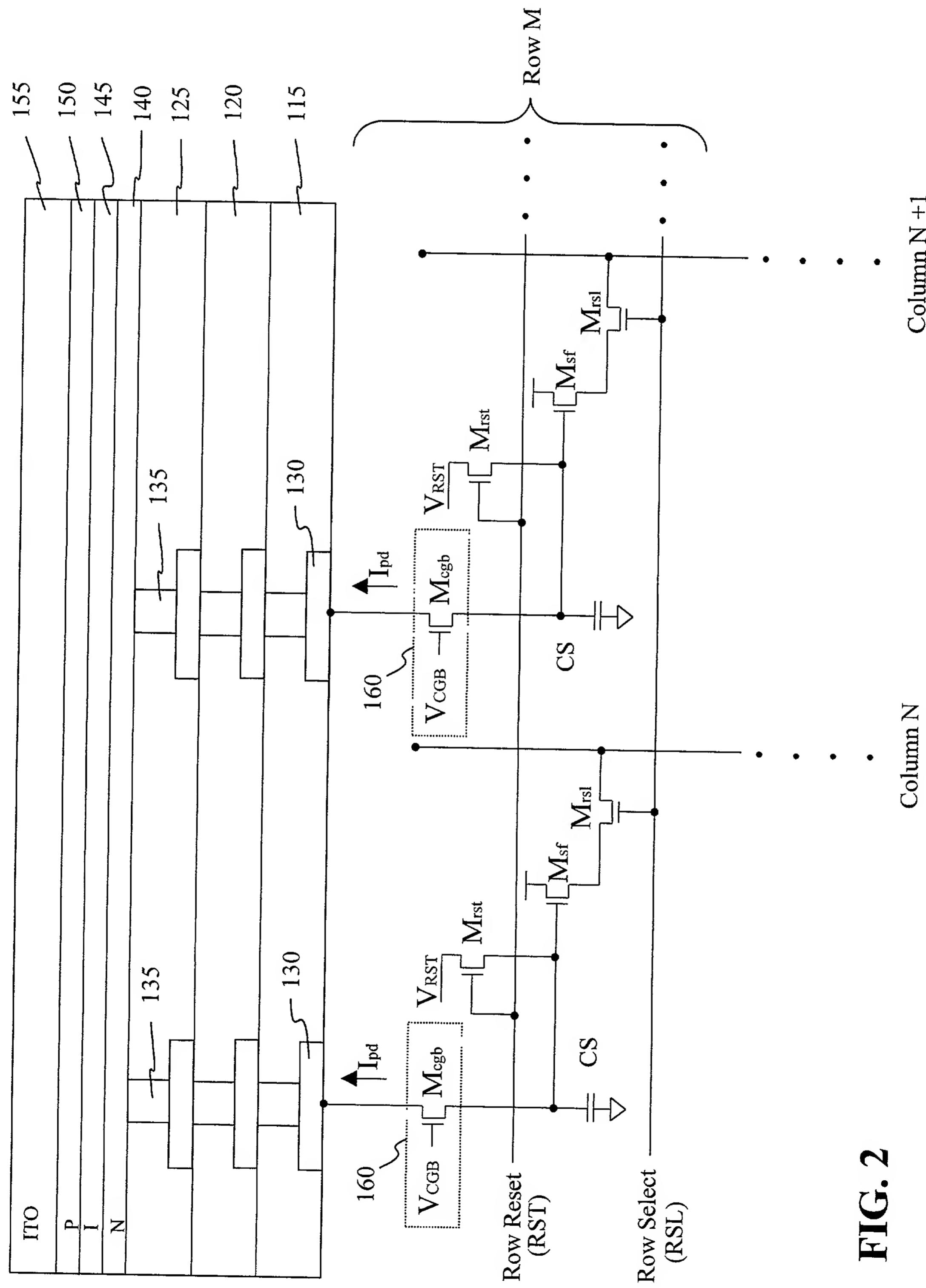


FIG. 2

Column N Column N +1

Individual Pixel Cell Circuitry

FIG. 3
(PIN Diode)

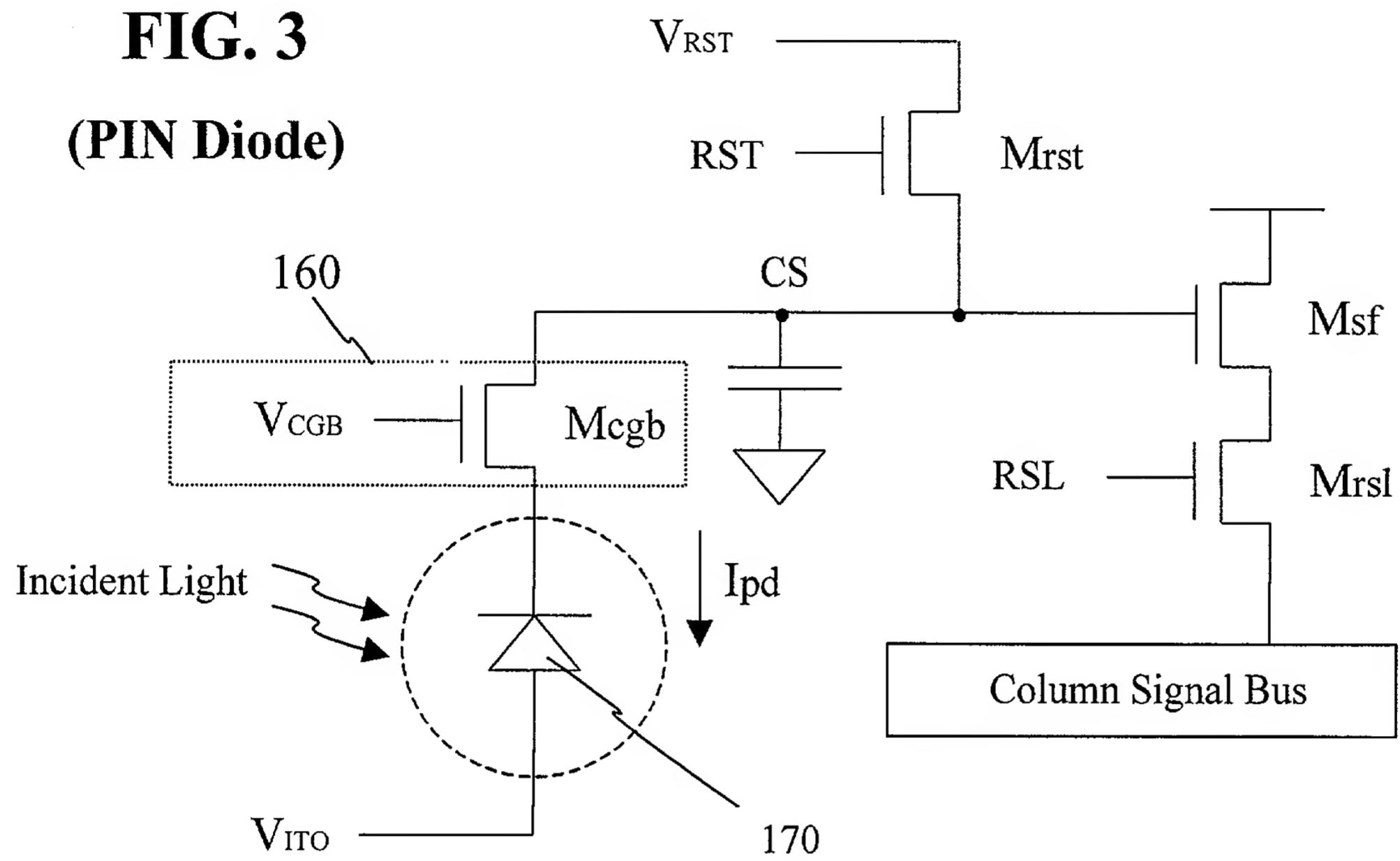
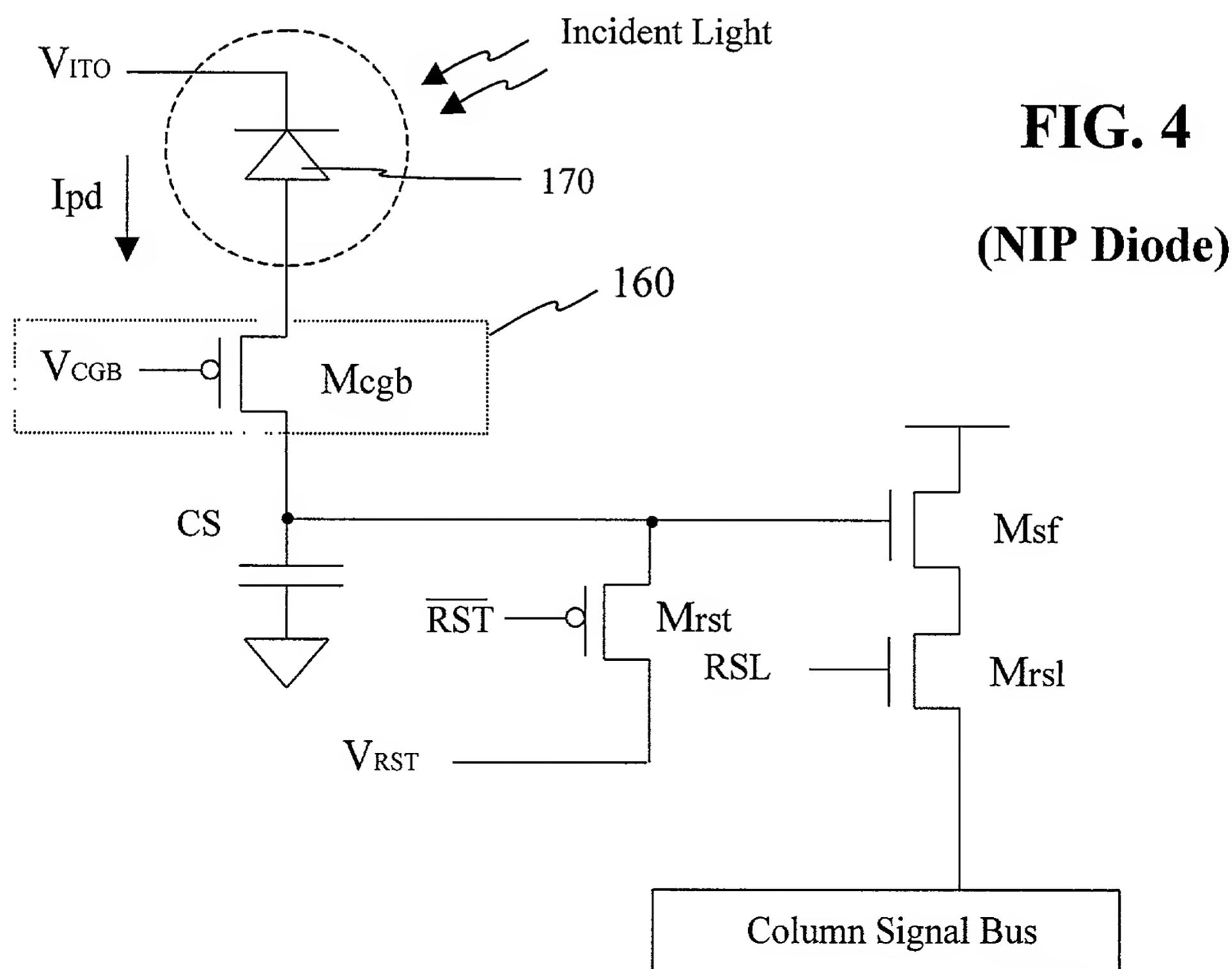


FIG. 4
(NIP Diode)



200

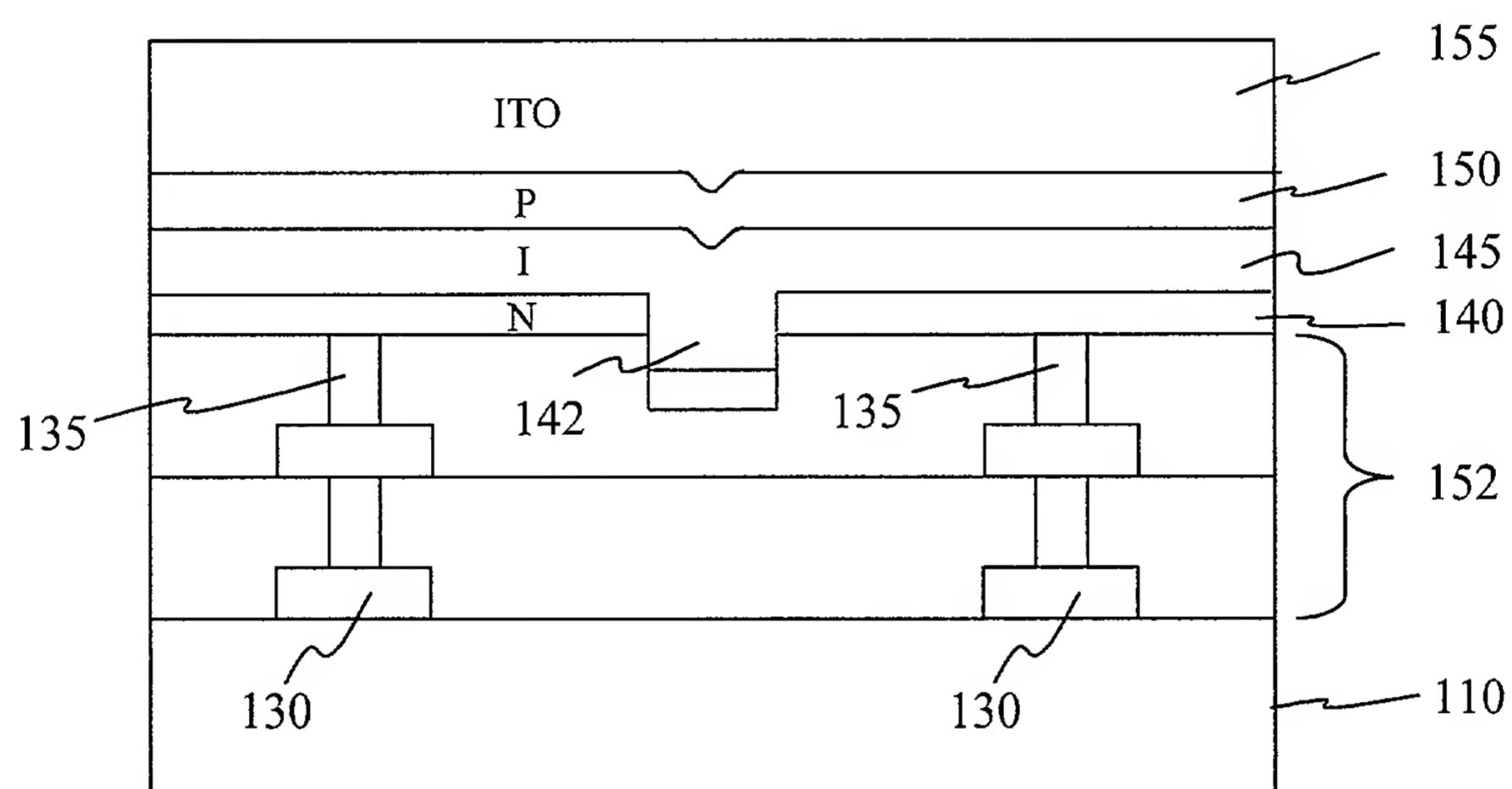


FIG. 5

300

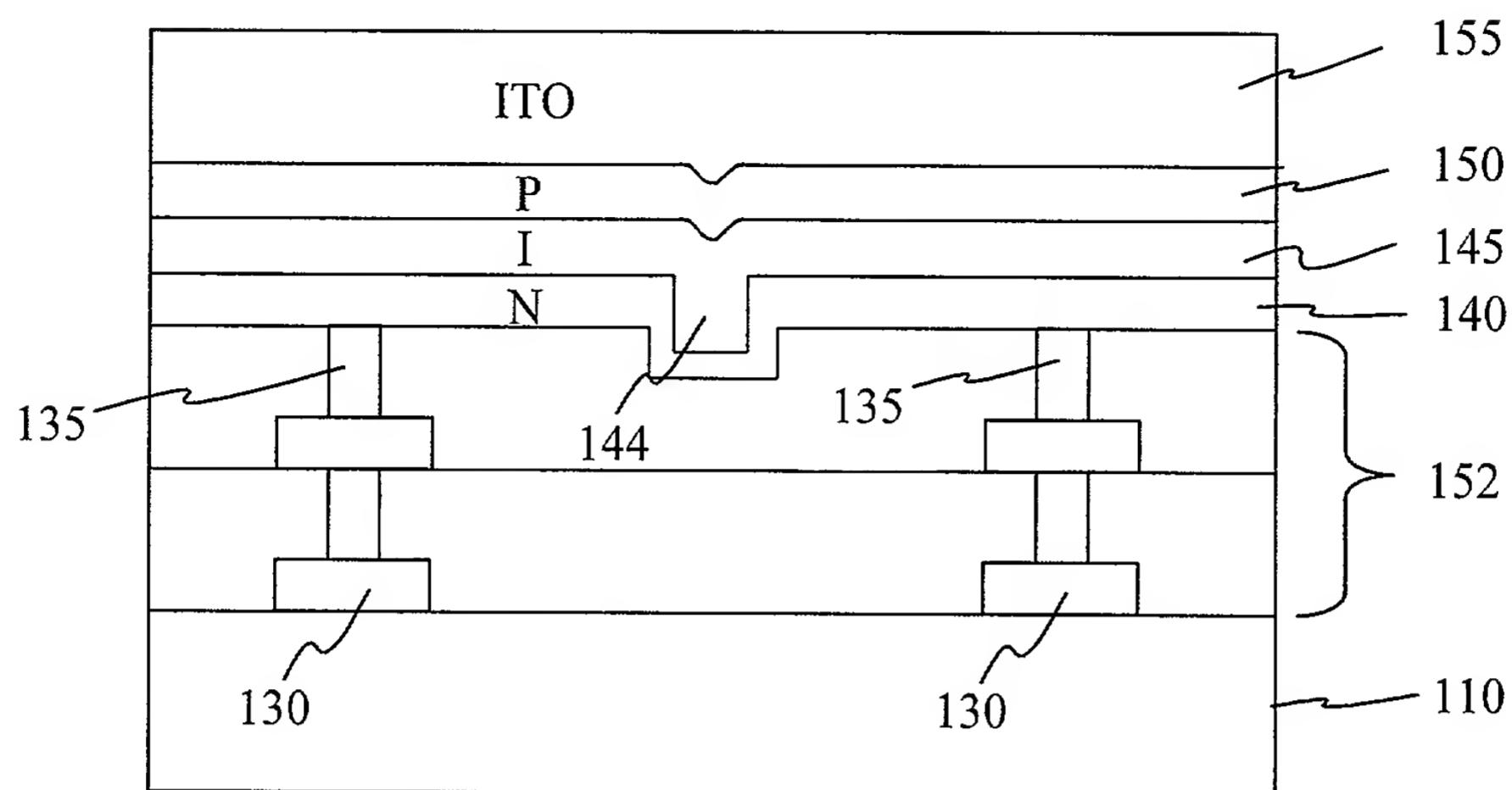


FIG. 6

400

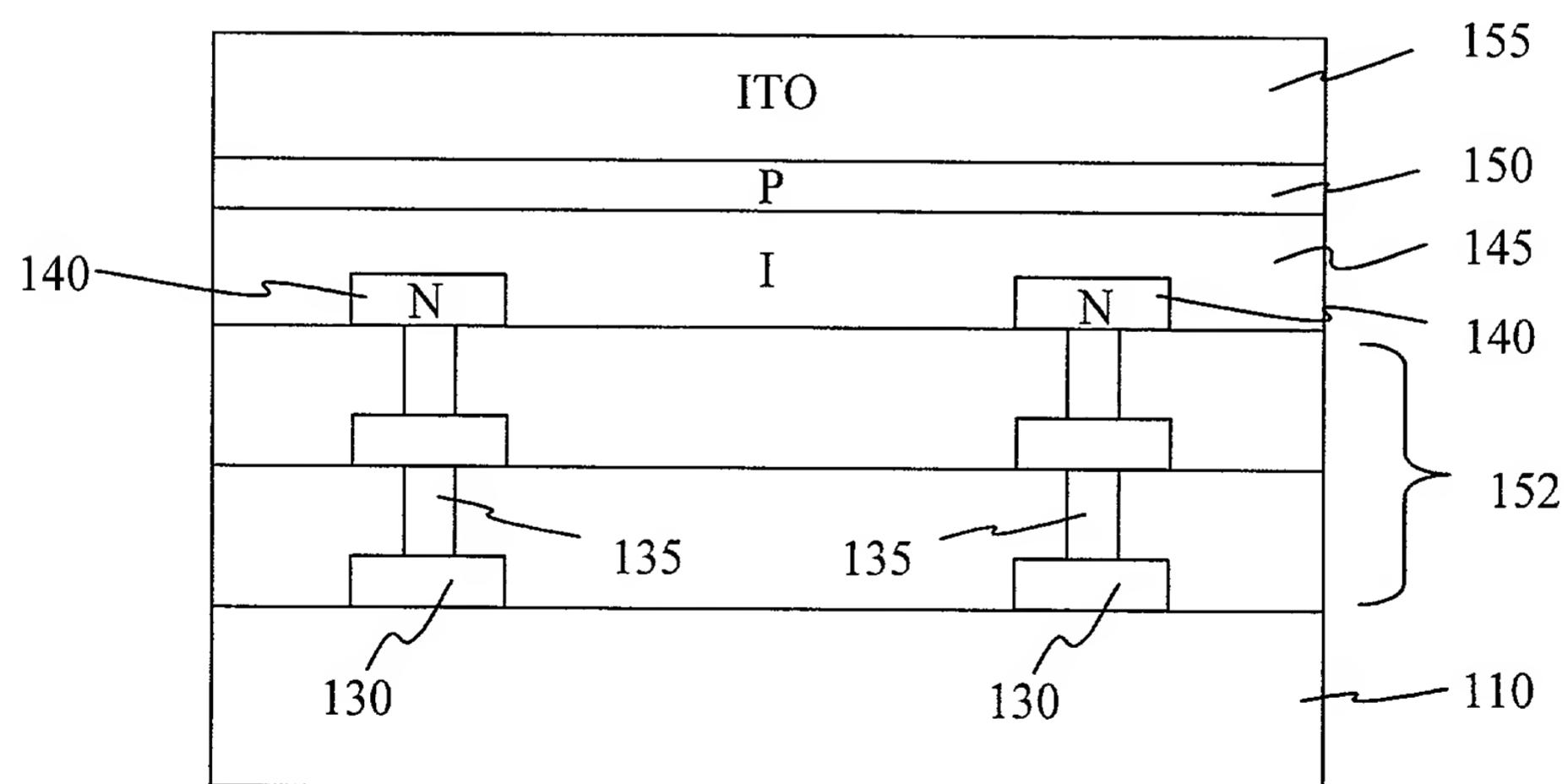


FIG. 7

Individual Pixel Cell Circuitry (Six-Transistor Architecture)

(PIN Diode)

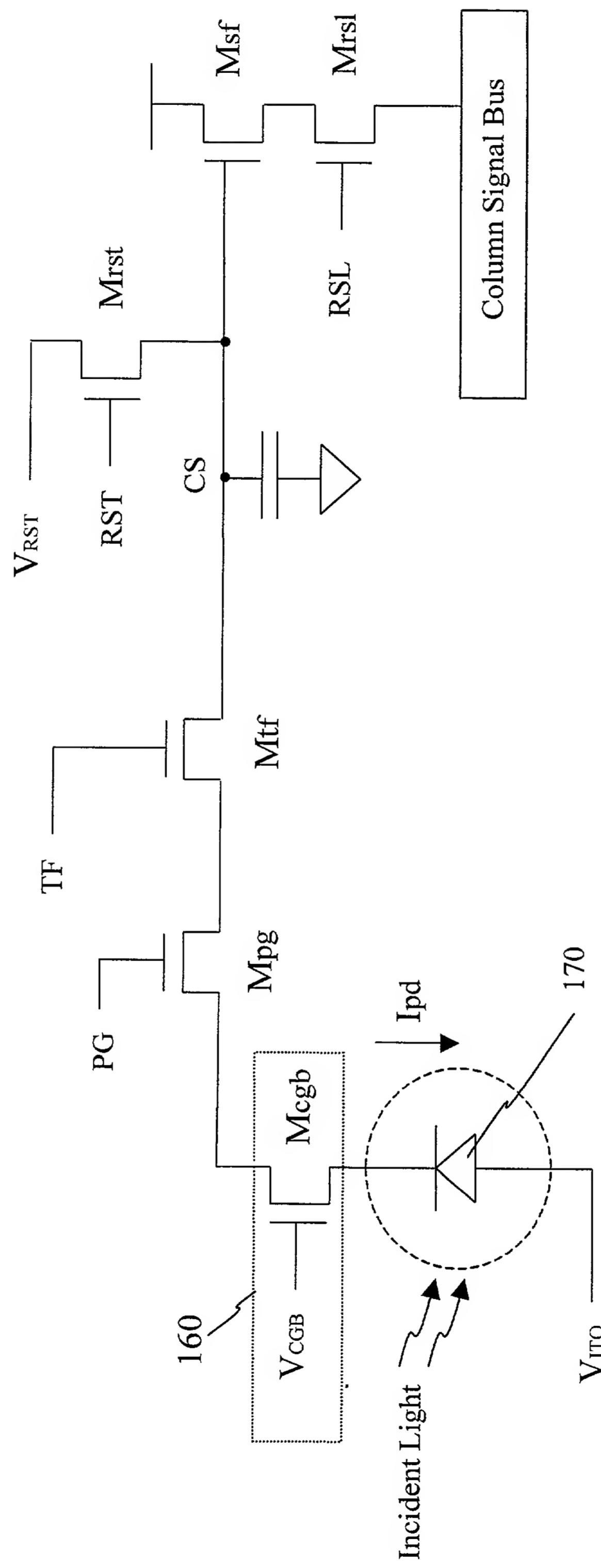


FIG. 8

Individual Pixel Cell Circuitry (Six-Transistor Architecture)

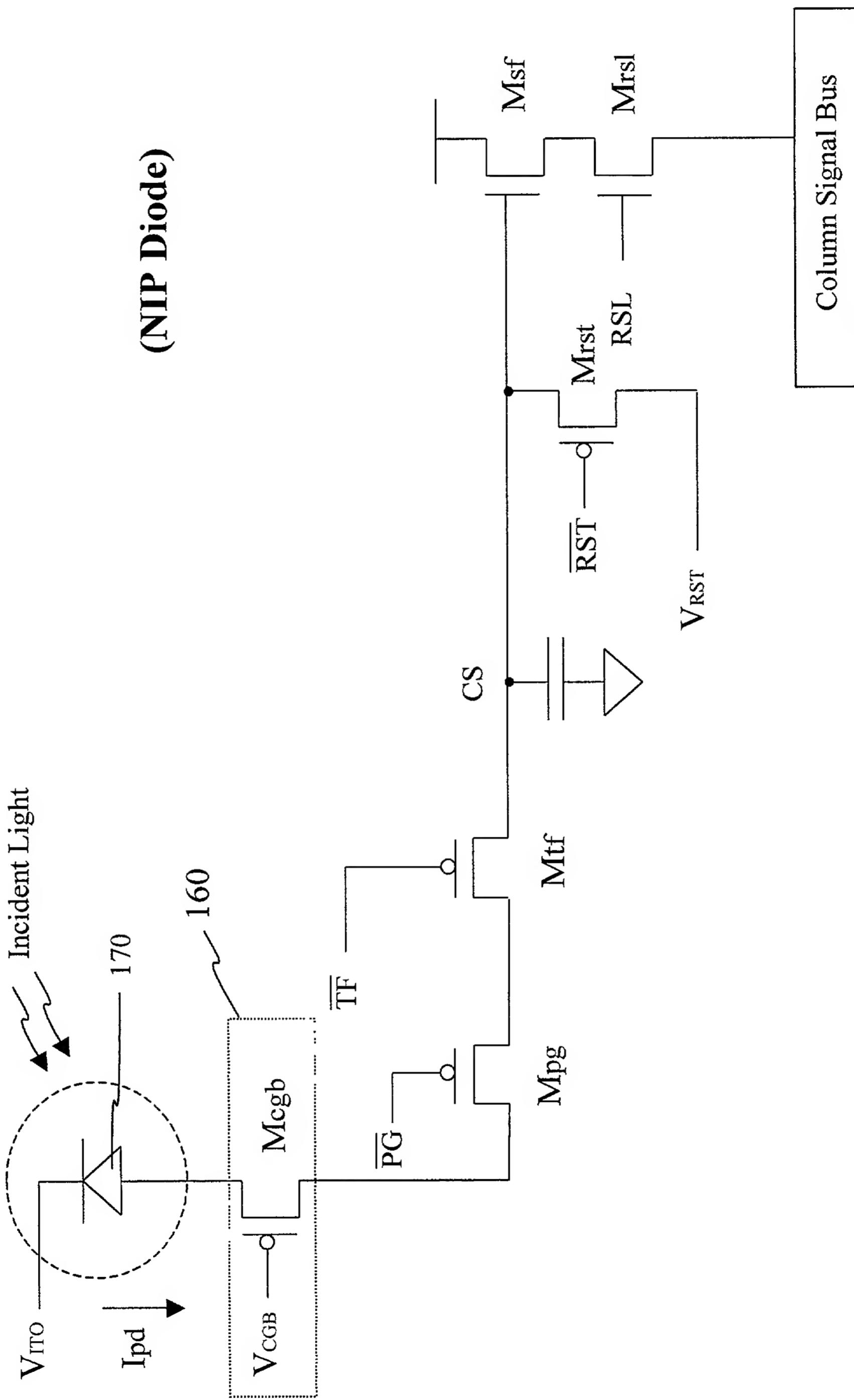


FIG. 9

Alternative Pixel Cell Array And Related Circuitry

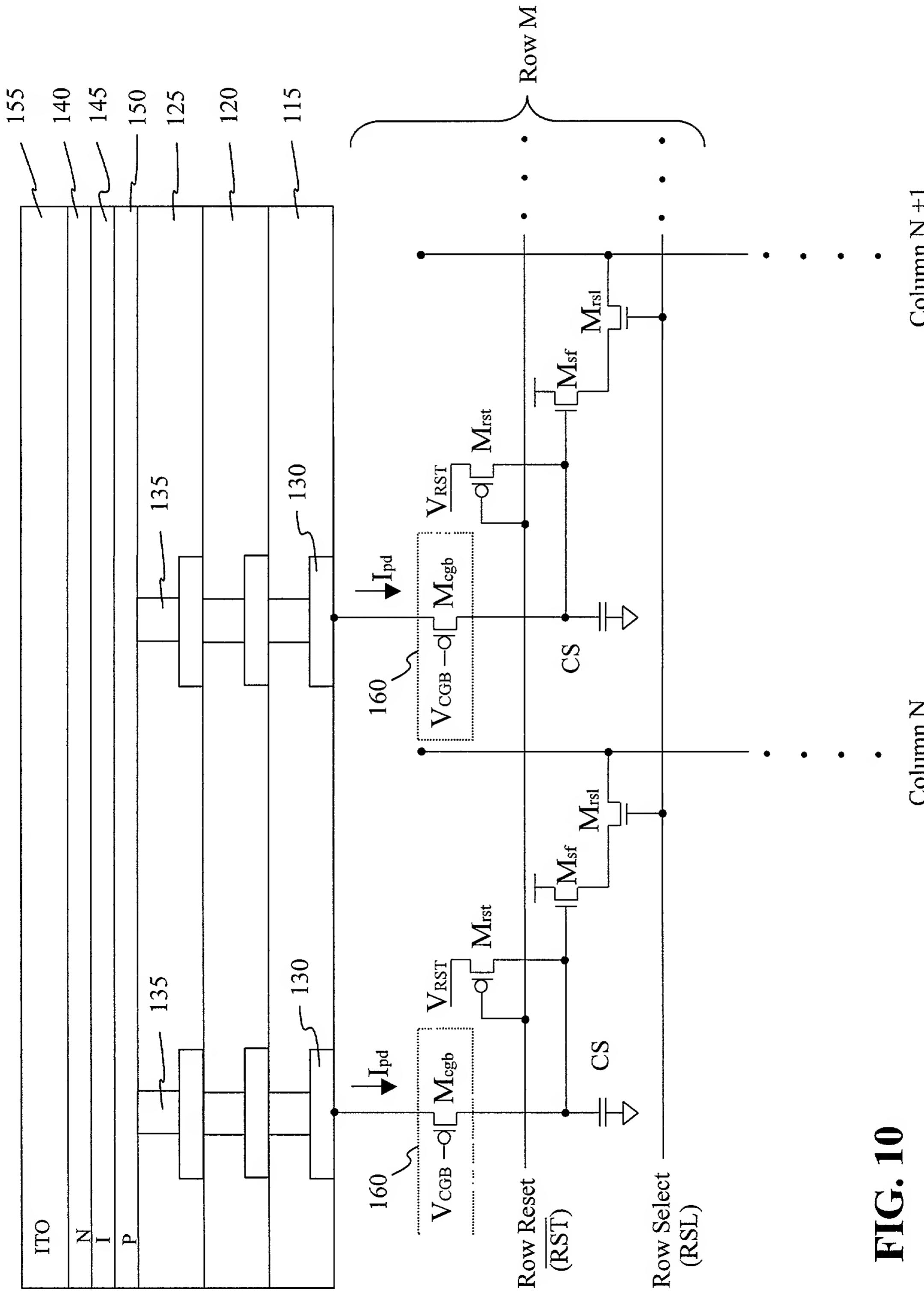


FIG. 10